



On Time. On Target. The ValuSourcing Case Study.

The Mission

One of the top ten PC software development companies in the world, with operations in over 32 countries and products customized in 20 different languages, needed web-based software to analyze results from localization testing of various products.

The client has a number of projects across various product lines that require localization in different languages. Teams distributed across the globe execute test suites, analyze the results and report bugs. When OMNITECH was introduced to the project, the results from the testing were not in a standardized format and there was no process to consolidate, analyze and report issues. Different groups had their own means of analysis that led to duplication of effort and resulted in reduced tester productivity.

The Objective

To design a process that standardizes test results, provides a central workbench for testers to analyze them visually and reports the issues in a consistent manner.

The Challenge

The client initially outsourced the project to a company in India and expected them to deliver it in two phases over a four-month period. A couple of months into development, the client was frustrated with the delayed progress and the poor quality of work. The client approached OMNITECH Systems to rewrite the entire application and still meet the deadline.

The ValuSourcing Solution

Service Delivery Methodology:

Pre-analysis

Identify and prioritize the processes to meet the aggressive deadline.

Detailed Analysis

Analyze the different modules leading to a high-level design of the system.

Modular Design

Facilitate development of the components in parallel.

Detailed Design

Implementation blue-print for the various components.

Functional Test Plans

Verify the compliance with the business requirements.

Integration Test Plans

Prove the functionality of the system as a whole.

Representative Clientele

CACI, Fannie Mae, WorldCom, The World Bank, IFC, Merrill Lynch, CitiStreet, UUNET, Hewlett Packard, Sun Micro Systems, America Online, AutoDesk, PriceWaterHouseCoopers, FCC, ACR, Massachusetts Behavioral Health Partnership, CTG, E*Trade, E*Credit, Southern Company, Wellspring Resources, John Hancock, Bank of America, Pfizer, Loop Net, www.chennaiedu.com, www.rajini25.com, www.benchmarkads.com



www.omnitechsys.com



OMNITECH's ValuSourcing Best Practices:

Some of the best practices followed by the project team were:

Mentor-Protégé Program

Experienced leaders trained and managed the junior developers in the team, creating a low-cost, high-quality product.

Effective Communication Across All Levels

Team members, the project manager, and the client used mailing lists and conference calls to keep development on track and identify issues in their earliest stages.

Maintaining Strong Organization

Prioritizing requirements and scheduling the deliverables facilitated meeting the customer demands strategically and on time.

In-Depth Documentation of Project Details

The analysis, design and implementation details were well-documented along with detailed help screens and demos for the application. This practice reduces training cost for end users.

Utilizing Established Coding Standards

Following established design patterns and coding standards aided team members in the understanding and management of the software. This practice also lowers the maintenance costs in the long run.

Testing and Bug Reporting

A dedicated QA team identified bugs and then developers quickly resolved the issues and continued development.

Technologies Employed

The following technologies were used in the implementation of the project:

- OS: Windows Server 2003 and Windows XP
- Application Server: Internet Information Server (IIS) 6.0
- Database Server: Oracle 9i
- Programming Language: VB.NET
- .NET Technologies: ASP.NET, ADO.NET and Windows Controls
- Programming Environment: Visual Studio.NET 2003
- Third-Party Libraries: Infragistics NetAdvantage 2004 Suite, SyncFusion Essential Grid v1.6 and log4net logging package
- Source Code Management: Visual Source Safe (VSS)
- Issue Tracker: Scarab Issue Tracker (used extensively within OMNITECH)

The Success

The stakes were high for OMNITECH to deliver this project on time and on budget to open up new business opportunities for the client. OMNITECH completed the development of the entire application a week ahead of schedule, despite a late start, giving sufficient time for the client to perform the necessary benchmarks and implement the product on their production servers. The extensive documentation provided by the development team helped implement the product on site without any delays.

With expertise in designing and developing object-oriented software and knowledge of leading-edge technologies, OMNITECH delivered the project ahead of schedule and on target.

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